

Incorporating LRAM Objectives With the US Army's Training Mission

**Fort Irwin, California
&
Fort Carson, Colorado**

4 Steps To A Successful LRAM Project

1. Project Design and Implementation
2. Interaction with Soldiers
3. Proper Downrange Signage
4. Ensure Non-Military Personnel Understand the Mission

Step 1

Project Design and Implementation

Project Design and Implementation help the soldier



**Hazardous water
erosion on MSR**



**Dust control on
MSR**

Project Design and Implementation

Minimize Impact on Training



**Erosion control
dam limiting
use of training
area**

**Erosion Control
dam allowing
free movement
of vehicles
across structure**



Project Design and Implementation Support



- Trenches
- Diversion ditches
- Culverts
- etc.

- Catchments
- Revegetation berms
- Erosion control dams
- Hardened crossings



Step 2

Interaction with Soldiers

Soldier Interaction

Learn to speak their language

www.logsa.army.mil/pam700/acronym.htm

Acronym List

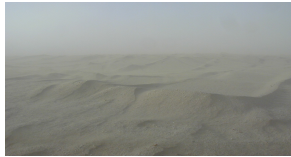
ACSP	ARMY CENTRAL SERVICE POINT
AFI	ASSET FORCE INFORMATION
AMC	ARMY MATERIEL COMMAND
AMCISS	ARMY MATERIEL COMMAND INSTALLATION SUPPLY SYSTEM
AMDF	ARMY MASTER DATA FILE
AMEDDPAS	ARMY MEDICAL DEPARTMENT PROPERTY ACCOUNTING SYSTEM
AMSS	ARMY MATERIEL STATUS SYSTEM
ANS	AREA NETWORK STATION
AOAP	ARMY OIL ANALYSIS PROGRAM
AR	ARMY REGULATION
ARMYLOG	ARMY LOGISTICS DATA ON COMPACT DISK
ASL	AUTHORIZED STOCKAGE LIST
ATAV	ARMY TOTAL ASSET VISIBILITY
AVIM	AVIATION INTERMEDIATE MAINTENANCE
AVRP	ARMY VEHICLE REGISTRATION PROGRAM
AWR	ARMY WAR RESERVE
BII	BASIC ISSUE ITEM
BN	BATTALION
CAGEC	COMMERCIAL AND GOVERNMENT ENTITY CODE
CBS-X	CONTINUING BALANCE SYSTEM-EXPANDED
CCISP	CONTROLLED CRYPTOGRAPHIC ITEMS SERIALIZATION PROGRAM
CCSS	COMMODITY COMMAND STANDARD SYSTEM
CD-ROM	COMPACT DISK-READ ONLY MEMORY
CDDB	CENTRAL DEMAND DATA BASE
CDR	COMMANDER
CO	COMPANY
COEI	COMPONENT OF END ITEM
CONUS	CONTINENTAL UNITED STATES
COSIS	CARE OF SUPPLIES IN STORAGE
CSRL	CUSTOMER SUPPORT REQUIREMENT LIST
CTA	COMMON TABLE OF ALLOWANCE

Soldier Interaction Public Outreach Opportunities

a simple poster

One of the primary functions of the ITAM program is to control the amount of wind and water erosion that occurs down range. By limiting the amount of wind and water erosion we help eliminate many health and safety hazards at Fort Irwin.

Wind Erosion in the form of sand storms is responsible for contributing to the amount of PM10 matter in the air. PM10 matter (Particulate Matter under 10 microns) has been proven to cause a number of lung ailments. By reducing wind erosion we reduce the amount of PM10 matter.



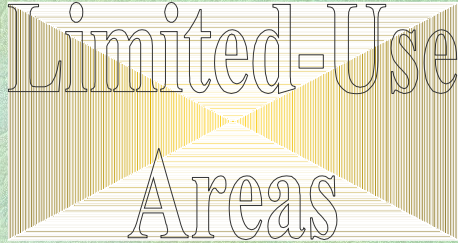
Water Erosion is responsible for the gullying that occurs on major trails. These gullies have been the culprit in numerous vehicle accidents and rollovers. By reducing the amount and degree of gullying on major trails we help reduce the number of accidents downrange.

The ITAM program mitigates wind and water erosion by installing erosion control devices such as soil tackifiers and check dams. ITAM also plants native shrubs in areas where the vegetation has been eliminated. Areas lacking in vegetation tend to be susceptible to erosion and by replanting an area we reduce the likelihood of any erosion problems, since plants are responsible for stabilizing the soil.

...or an entire booth



Soldier Interaction Environmental Awareness Briefings



- Revegetation/Erosion Control Sites
- Designed to allow use of training lands while maintaining quality



Fort Irwin



MANEUVER CONSIDERATIONS

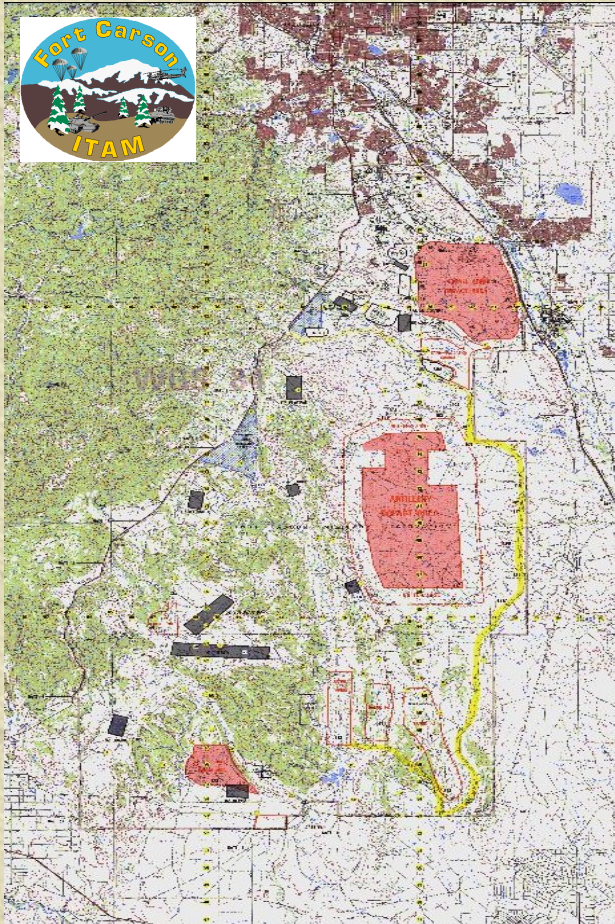


1. Vehicles should remain on existing routes except when maneuvering tactically
2. Vehicles move through LUAs on existing roads/ trails
3. Training in OLAs is prohibited
4. Keep vehicles 100m away from man-made objects
5. Prevent tracks from making locked tread turns/ neutral steers when possible
6. Conduct bridging ops only at suitable sites
7. Move into bivouac/ TAAs in column
8. Get RC authorization before any excavation ops
9. Maintain trash discipline--dispose of properly
10. Do not cut trees for camouflage
11. Do not tie obstacles into OLAs or LUAs
12. Do not tamper with signage
13. Service/ refuel vehicles in authorized areas
14. Use ground guides when in doubt-- even in daylight



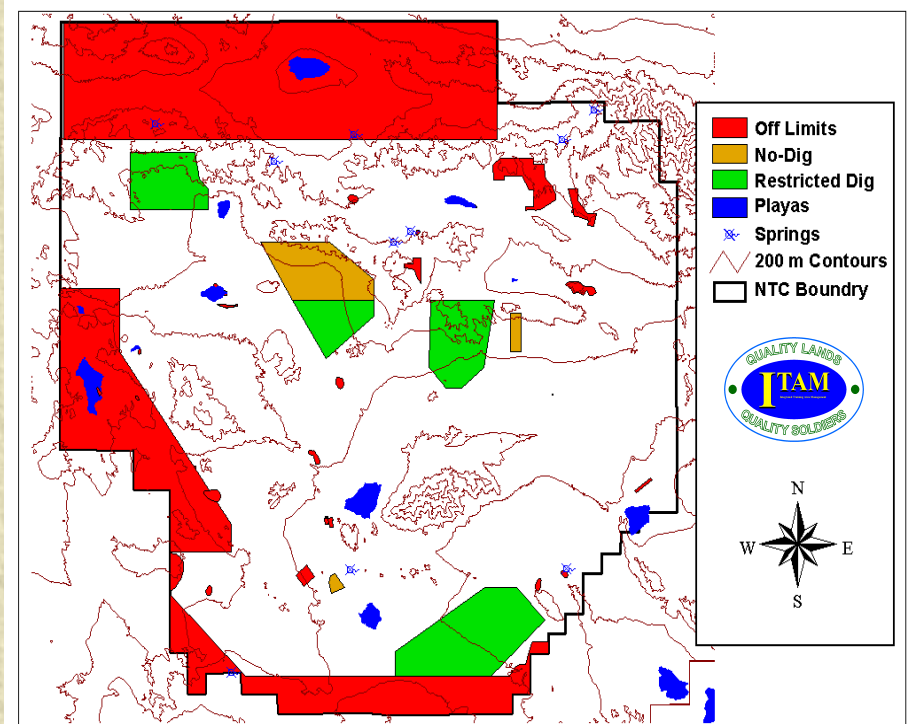
Fort Carson

Soldier Interaction Utilize GIS



Fort Carson

Fort Irwin



Soldier Interaction

Field Tours to Leadership

- Educates decision makers about LRAM
- G3, Chief of Staff, Sr. Commanders
- Top down approach

Soldier Interaction

Solicit Soldier Input

- Radio Reporting of Hazardous Erosion Areas
- Utilize Range Control Personnel
- Training Area Inspection Reports

Soldier Interaction Range Control Inspection

PO
C

TRAINING AREA INSPECTION REPORT			
DATE: <u>8 Aug 01</u>		INCOMING ☐ OUTGOING ☒	
TRAINING AREAS: <u>A 30 B 31 C 41 D E F</u>		UNIT OCCUPYING AREA: <u>118 57C 6-6762</u>	
INSPECTOR'S NAME, RANK, SSN: <u>COOPER, SSG</u>		COMMANDER'S NAME AND RANK: <u>118 57C 6-6762</u>	
INSPECTOR'S CHECK LIST	SAT	UNSAT	REMARKS:
POLICE OF AREA		☒	Training Areas are cleared for police.
TNG AREA # <u>30</u>			DECOM will conduct a follow up inspection
TNG AREA # <u>31</u>			for ~~maneuver~~ maneuver damage.
TNG AREA # <u>40</u>			
TNG AREA #			
FORWARD CP/S			
FORWARD MAINT. AREA/TRAINS			
FORWARD MESS AREA(S)			Maneuver Damage TA 30, 31
TANK TRAILS OR ROADS		☒	Police of AREA TA 30, 31
			RT 11 - RT 8
			RT-11-15
EXCAVATION/HOLES FILLED IN			
RAIL AREA			
OPERATIONS AREA			
MESS/SHOWER FACILITY			
REAR MAINT. AREA/TRAINS			
OTHER:			
DATE AND TIME IN: <u>1030 hrs</u>	INSP. COMMENTS:		
DATE AND TIME OUT: <u>1430 hrs</u>			
NOTE: ALL AREAS MUST BE A SAT PRIOR TO FINAL CLEARANCE BEING SIGNED OFF!	CDR'S SIGNATURE: <u>[Signature]</u>		
	INSP'S SIGNATURE: <u>[Signature]</u>		
	OIC/NCOIC SIGNATURE: <u>[Signature]</u>		

Maneuver Damage TA 30, 31
Police of AREA TA 30, 31
RT 11 - RT 8
RT-11-15

Step 3

Proper Downrange Signage

Signage

Limited Use & Off Limits Signs



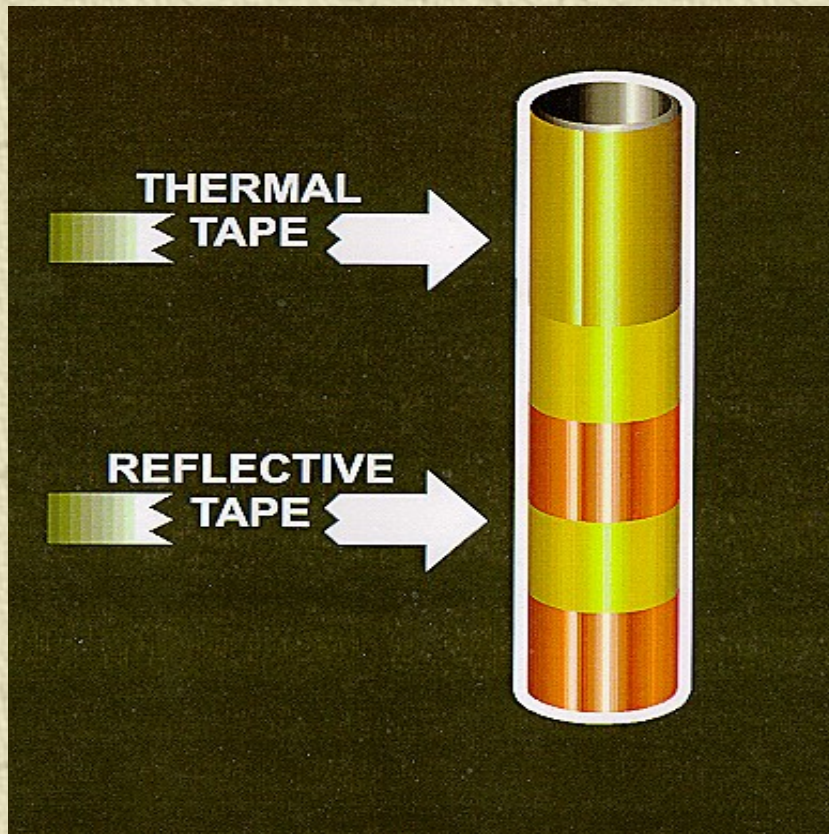
Limited Use Sign



Off Limits Sign

Signage

Siebert Stakes

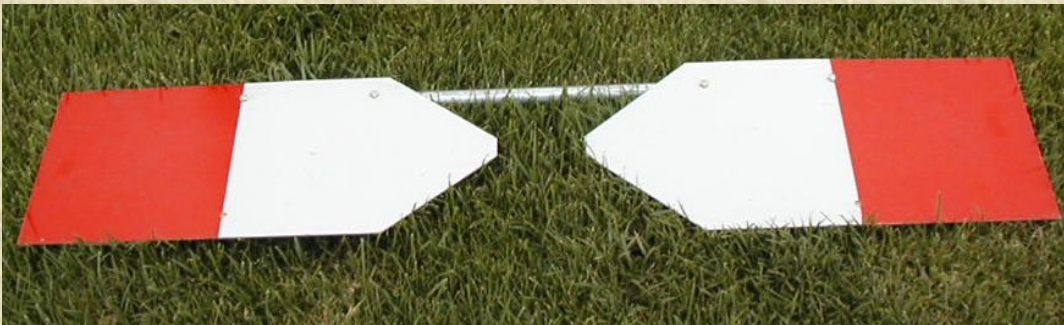
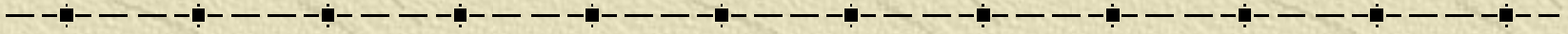


**OFF LIMITS
AREAS**



Signage

Utilize signs that soldiers may see
in combat



**NATO Standard
Minefield
Breach Lane
Marking
Symbol**

Step 4

**Ensure Non-
Military Personnel
Understand the
Mission**

Downrange Awareness

- Comprehension of the military mission
- Awareness of downrange activity
- Knowledge of safety procedures and proper radio protocol
- Continuous contact with firing desk

Learning to Work with the Soldier

- **Overcome the “Tree Hugger” stereotype**
- **Understand soldiers’ training requirements and objectives**
- **Ensure LRAM makes soldiering safer and efficient**
- **Do not assume negligence or willful destruction**

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